

# **DIRECTIONS FOR USING ADDIATOR**

**ADDIATOR, "THE WORLD'S SMALLEST  
PRECISION ADDING MACHINE",**  
is like an expensive office machine in one way.  
Like expensive machines, you must learn a  
few easy rules before you try to operate it.  
Read these simple instructions carefully  
before you use your **ADDIATOR**.

**HARRISON HOME PRODUCTS CORP.**  
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# HOW TO USE ADDIATOR

FIRST, clear machine so all answer windows are set at "0". Regardless of whether you are adding or subtracting, you ALWAYS pull the stylus toward the answer window when the holes are gray, and away from the answer window when the holes are red. For Addition, use top half of the ADDIATOR; for Subtraction, use bottom half of the ADDIATOR.

It is easier to use ADDIATOR if you hold the stylus at right angles to the machine when inserting figures.

## HOW TO CLEAR MACHINE

Always be sure machine is clear before starting. Pull up clearing handle as far as it will go and then push it down again. Should an arrow (pointing down like this  $\Psi$ ) remain in answer windows after clearing machine, merely insert stylus in hole directly to the left of the number "1" in column directly above arrow. Pull stylus down toward the answer window and arrow  $\Psi$  sign will disappear and "0" will appear.

## EXAMPLES OF ADDITION:

$$\begin{array}{r} 250 \\ + 33 \\ \hline 283 \end{array}$$
 Insert stylus in the "2" in the third column from the right side and pull all the way down towards answer window. Do the same with "5", second column from right. The "0" is already there and need not be inserted. Answer window will show "250". Now add "33". Insert stylus in "3" in second column from right, pull down to answer window and then do the same with "3" in right hand column. Answer windows will show "283".

$$\begin{array}{r} 365 \\ + 256 \\ \hline 621 \end{array}$$
 Clear machine and start again. Insert stylus in the "3" in the third column from the right side and pull all the way down toward answer window. Do the same with "6", second column from the right, and with "5" in right hand column. Answer windows will show "365". Now add "256". Insert stylus in "2" in third column from the right and pull all the way down toward answer window. You will now see that the "5" in the second column is in the red part of the slide, which means that you insert stylus and push up away from answer windows, turning stylus up and around bend at top of column and then down as far as stylus can go. The "6" in right hand column is also in red slide, so you push up away from answer windows again and around bend. Answer windows will show "621".

## EXAMPLES OF SUBTRACTION:

$$\begin{array}{r} 465 \\ - 342 \\ \hline 123 \end{array}$$
 Clear machine and start again. Insert "465" in the machine, using the top half (addition columns). Now subtract "342" using the bottom half. Insert stylus in "3" in the third column from the right of the bottom half. It is in gray slide, so we push up toward answer windows. The "4" is also in gray slide, so we push up, and likewise with the "2". The correct answer is "123" which appears in the windows.

$$\begin{array}{r} 542 \\ - 65 \\ \hline 477 \end{array}$$
 Clear machine and start again. Insert "542" in machine, using the top half (addition columns). Now subtract "65". Insert stylus in "6" in second column from the right side, using the bottom half. It is in red slide, so we pull down away from answer windows and around bend on bottom as far as stylus can go. The "5" is also in red slide, so we again pull down away from answer windows and around bend as far as stylus can go. The correct answer, "477", now appears in the windows.

## How to handle Arrows When They Appear In Answer Window!

We have already explained in the 2nd Paragraph above how to eliminate arrows that are pointing down (↓) after the machine has been cleared. Should an arrow sign (pointing up ↑) appear in one of the answer windows while adding or subtracting, it is ADDIATOR'S way of letting you know that a simple step must be taken!

### WHEN DOING ADDITION

**EXAMPLE:** Clear the machine and start again. After inserting the numbers "298" in top half and then adding "3", an arrow sign (pointing up ↑) appears in the second column from right in answer windows. The arrow sign is eliminated by inserting stylus in the "0" in the second column from right, above the arrow sign. Then push up and around the bend as far as the stylus can go. Answer windows will show "301".

$$\begin{array}{r} 298 \\ + \quad 3 \\ \hline 301 \end{array}$$

### WHEN DOING SUBTRACTION

**EXAMPLE:** Clear machine and start again. After insertion of "304" in top half and subtracting "6" in bottom half, an arrow sign (pointing down ↓) appears in second column from right in answer windows. This arrow sign is eliminated by inserting stylus in the "0" in the second column from the right of the bottom half, below the arrow sign. Then push down and around the bend as far as the stylus can go. Answer windows will show "298".

$$\begin{array}{r} 304 \\ - \quad 6 \\ \hline 298 \end{array}$$



# CLEARING ARROWS IS EASY!!

To summarize, the arrow signs are easy to master. Just remember: — — — — — — — —

**1.** If arrow sign pointing down ( $\nabla$ ) remains after clearing machine, merely insert stylus in any hole in column directly above arrow and pull down towards answer window.

**2.** If arrow sign pointing up ( $\blacktriangle$ ) appears while doing addition, insert stylus in "O" above arrow and push up and around the bend.

**3.** If arrow sign pointing down ( $\nabla$ ) appears while doing subtraction, insert stylus in "O" under arrow and pull down and around bend.

**4.** If you forget to remove arrow sign when adding, and later get a stoppage in the bend, insert stylus in "1" above the arrow instead of "O" and push up and around bend. If this happens when subtracting, insert stylus in "1" below the arrow sign and pull down and around bend.

After removing arrow sign, sometimes another arrow sign may appear in the next column to the left of the arrow you have eliminated. Simply continue to insert stylus in "0" of column where arrow appears and push up and around bend if arrow is pointing up  $\uparrow$  (top half), or pull down and around bend if arrow is pointing down  $\downarrow$  (bottom half) until all arrow signs disappear.

**EXAMPLE:**

$$\begin{array}{r} 4994 \\ + \quad 7 \\ \hline 5001 \end{array}$$

Clear machine and insert "4994" and "7". An arrow sign (pointing up  $\uparrow$ ) appears in second column from right. Eliminate by inserting stylus in "0" above arrow sign and push up and around bend. Notice that another arrow sign will then appear in third column. Eliminate this arrow in the same manner. The answer windows will show "5001".

**DON'T WORRY IF YOU FORGET TO ELIMINATE ARROWS!!**

If you forget to eliminate the arrow sign, ADDIATOR will continue to work correctly, and the arrow will generally disappear automatically while continuing to add or subtract. But if it does not disappear automatically, a stoppage might occur later while adding or subtracting. When this happens, you clear the arrow sign exactly as explained above, with one exception. Insert stylus in "1" rather than in "0" and move stylus around bend to the stop.

**EXAMPLE:**

$$\begin{array}{r} 199 \\ + \quad 5 \\ + \quad 8 \\ \hline 212 \end{array}$$

To show you what we mean, clear machine, then insert "199" and "5". You get an arrow sign in second column. Remove it by inserting stylus in "0" above arrow and push up and around bend. The answer window shows "204". Now clear machine again and insert "199" and "5" and do not remove arrow sign. Then insert "8" and push it upward as far as it will go until it stops. It will be impossible to move stylus around the bend. So when stylus reaches the top simply lift it up and bring over to second column from right, insert in "1" and push up and around bend. You will then get the correct answer "212".



# ADDIATOR PREVENTS MISTAKES!

If you move stylus in wrong direction, for example up instead of down, ADDIATOR will indicate your mistake by stopping automatically, so that movement cannot be continued. In this case, do not remove stylus from hole, but move it to the stop in opposite direction and correct total will be shown.

## TRY THIS PROBLEM

**673** Place stylus in the "6" in third column from right, and pull down towards answer windows. Do the same with "7" (2nd column from right) and "3" (right hand column). Answer windows will show "673".

$$\begin{array}{r} + 5269 \\ + 734 \\ \hline 6676 \end{array}$$

**845** Now add "5269". The "5" in 4th column from right must be pulled down towards answer windows. Also the "2" in 3rd column. But, the "6" and "9" both being in red part of slide, must be pulled up away from answer windows and around bend to the stop. Answer window now shows "5942".

$$\begin{array}{r} - 845 \\ \hline 5831 \end{array}$$

Now add "734" in the same manner, and total of "6676" will appear in the answer windows. To subtract "845" use the subtraction columns under the answer windows. The "8" in 3rd column from right, being red, must be pulled down away from the answer windows and around bend to the stop. The "4" and "5" both being in white slides, should be pushed upwards towards answer windows. Correct total of "5831" is now shown in the answer windows.

# **ADDIATOR**

## **World's Smallest Precision Adding Machine**

- **ADDS AND SUBTRACTS  
UP TO 999,999  
WITHOUT MAKING A MISTAKE**
- **OVER 4 MILLION ADDIATORS  
IN USE IN 91 COUNTRIES**
- **USED BY GIANT FIRMS,  
GOVERNMENTS AND MILLIONS  
OF SATISFIED CUSTOMERS**
- **ADDIATOR SAVES  
WORK! TIME! MONEY!**